

# Annual Index

## Volume 14

January to December, 1984

### Subject Index

<b>A</b>		
(Awards of Excellence)		
Four-Leaf Sculpture .....	Oct-32	
Platz Ohizumi .....	Oct-21	
Powerful Simplicity .....	Oct-30	
St. Anselm's Church .....	Oct-28	
The Laboratory .....	Oct-24	
The Lutheran Brotherhood Building ..	Oct-34	
The Yacht "Regina" .....	Oct-36	
"Toad Hall"—The deMenil Residence ..	Oct-26	
<b>C</b>		
(Commercials)		
Lighting up the aisles of Foodarama ...	Feb-16	
New York Stock Exchange trading floor ..	Feb-21	
(Computers in Lighting)		
Available lighting-computer programs: a compendium and a survey .....	June-33	
Computer applications in the design professions .....	June-18	
Computers and lighting calculations ...	June-22	
Introduction .....	June-17	
Technical centers—who uses them, how they work .....	June-26	
<b>D</b>		
(Daylighting)		
Daylighting at Holaday Circuits .....	May-26	
<b>E</b>		
(Education)		
Lighting educators .....	Aug-27	
(Energy Utilization)		
Burnet Civic Center—Burnet, TX. ...	Mar-21	
Chatham County Social Services Building—Pittsboro, NC .....	Mar-17	
Diamond Shamrock Corporation, In- dustrial Chemicals Division .....	Mar-26	
Going beyond the perimeter with day- light .....	Mar-30	
Horticultural Education Building, New Canaan Nature Center—New Can- aan, CT .....	Mar-19	
IBM Information Products Division, Manufacturing and Development Facility—Charlotte, NC .....	Mar-22	
Introduction and background .....	Mar-16	
Light switching for energy conserva- tion in an office environment ...	Feb-35	
The Carver-Hawkeye Arena University of Iowa City, IA .....	Mar-18	
Ventura Coastal Corporation, Admin- istration Building—Ventura, CA ..	Mar-24	
<b>H</b>		
(Historical)		
The history of the electric light fixture ..	Aug-20	
(House of worship)		
Faith Presbyterian Church .....	Jan-22	

<b>I</b>		
(IES Transaction)		
Gateway to Tomorrow 1984 IES Progress Report .....	Dec-17	
Innovations '83—1983 IES Progress Report .....	Jan-35	
(Institutional)		
San Antonio Community Hospital ...	Jan-20	
The lighting of the birthing room ...	July-40	
(International Illumination Design Awards)		
Introduction .....	Oct-20	
<b>L</b>		
(Lighting Design Awards)		
Awards of Merit .....	Nov-14	
(Light sources)		
Trends in the lighting industry .....	Nov-42	
<b>M</b>		
(Museums)		
Lighting the First Ladies .....	Dec-10	
<b>O</b>		
(Offices)		
Coming Glass Showroom: Going all the way .....	May-28	
Field study on occupancy scheduling as a lighting management strategy ..	May-34	
Georgia-Pacific's new headquarters ..	Sept-26	
Kwasha Lipton .....	Dec-13	
Lighting up the CRT screen: problems and solutions .....	Jan-14	
Shepley Bulfinch Richardson & Abbott ..	May-24	
(Outdoor)		
The new bridge on Brush Creek .....	Feb-18	
<b>P</b>		
(Public Places)		
Art deco at Metropoli reflects lighting ingenuity .....	Sept-20	
Community recreation sites in Plym- outh, MN economize with HPS lighting .....	July-35	
Lighting an art deco masterpiece ...	Sept-16	
On target—the lighting design for Ar- rowhead Hilton Lodge .....	Feb-13	
Piping light into high atria .....	July-15	
Reflecting bright ideas at Wesleyan Tower .....	Jan-18	
Relighting Eads Bridge in St. Louis ..	Aug-17	
Relighting Pompano Harness Track Ridgeway Center Atrium adorns St. Louis Botanical Gardens .....	Sept-22	
Tripping the light fantastic at the Wyn- dham Hotel .....	Jan-12	
Trump Tower's simple lighting .....	July-18	
<b>R</b>		
(Research)		
Illumination Roundtable III .....	July-27	
LRI request for proposals .....	July-22	

LRI Research Agenda .....	July-23
(Roadway)	
The effects of partial lighting on traffic operations at freeway interchanges ..	May-46

### S

(Special Citations)	
Lighting of the public rooms of the "Prefecture du Var" .....	Oct-42
Stamford Town Center .....	Oct-39
The Civil/Mineral Engineering Building's Solar Optic System .....	Oct-46
(Special Feature)	
Lighting literature roundup .....	July-17

### V

(Views & Opinions)	
A quality education .....	Jan-24
Coming to terms with task/ambient lighting .....	Feb-41
Concepts in Architectural Engineer- ing—A review .....	Mar-52
Defining visual response in lighting design and research, Part 1—the need .....	April-10
Defining visual responses in lighting design and research—Part 2 .....	Mar-14
Defining visual responses in lighting design and research, Part 3—com- pendium of responses, stimuli, models and criteria .....	June-37
Energy saving lighting systems—a book review .....	Feb-42
Engineers of enlightenment .....	Aug-40
Introduction .....	April-17
Issues in lighting survey .....	Aug-15
Lewis Sternberg: The value-added factor in lighting distribution .....	April-30
Lighting—by legislation and regulation ..	Mar-46
Lighting Design—Who's in Charge? ..	April-18
Lighting for education—a book review ..	Feb-42
Michael Klein: Realistic lighting design ..	April-26
Successful collaboration with interior designers .....	April-36
Susan Forbes: "Lighting is the most important design tool we have." ..	April-21
The Phantom Issue .....	Feb-44
The undelification of calculations ...	Feb-27
What's happening in ESI? .....	June-46

### Author Index

<b>A</b>	
Aspromonte, J.—Lighting an Art deco masterpiece .....	Sept-16
<b>B</b>	
Beck, W. C.—The lighting of the birthing room .....	July-40
Brass, J. R.—The Phantom Issue .....	Feb-44
<b>C</b>	
Clark, G. W.—Lighting—by legislation and regulation .....	Mar-46
<b>D</b>	
Davy, K. V.—Going beyond the perimeter with daylight .....	Mar-30
Dilaura, D. L.—Energy saving lighting systems—a book review .....	Feb-42
<b>H</b>	
Halldane, J. F.—Defining visual response in lighting design and research, Part 1—the need .....	April-10

- Halldane, J. F.—Defining visual responses in lighting design and research—Part 2 Mar-14  
 Halldane, J. F.—Defining visual responses in lighting design and research, Part 3—compendium of responses, stimuli, models and criteria June-37  
 Hockey, S. N.—Piping light into high atria July-15

## J

- Janoff, M. S.—The effects of partial lighting on traffic operations at freeway interchanges May-46  
 Jewell, J. E.—Engineers of enlightenment Aug-40

## K

- Karayel, M.—Field study on occupancy scheduling as a lighting management strategy May-34  
 Keating, R. M.—Successful collaboration with interior designers April-36  
 Kohn, M. B.—Coming to terms with task/ambient lighting Feb-41

## L

- Longenderfer, J. E.—Diamond Shamrock Corporation, Industrial Chemicals Division Mar-26

## M

- Mangieri, M.—Lighting Design—Who's in Charge? April-18  
 Manning, P.—Lighting for education—a book review Feb-42

## N

- Napoli, T. M.—Computers and lighting calculations June-22  
 Napoli, T. M.—Computer applications in the design professions June-18  
 Napoli, T. M.—Corning Glass Showroom: Going all the way May-28  
 Napoli, T. M.—Lewis Sternberg: The value-added factor in lighting distribution April-30  
 Napoli, T. M.—Michael Klein: Realistic lighting design April-26  
 Napoli, T. M.—Susan Forbes: "Lighting is the most important design tool we have" April-21

## R

- Rambusch, V. B.—The history of the electric light fixture Aug-20  
 Rea, M. S.—What's happening in ESI? June-46  
 Recio, A. A.—Concepts in Architectural Engineering—A review Mar-52  
 Riegel, R. J.—Going beyond the perimeter with daylight Mar-30  
 Robertson, W.—Light switching for energy conservation in an office environment Feb-35  
 Rubinstein, F.—Field study on occupancy scheduling as a lighting management strategy May-34  
 Russo, L. P.—Technical centers—who uses them; how they work June-26

## S

- Scott, D.—Trump Tower's simple lighting July-8  
 Shanus, M. D.—Going beyond the perimeter with daylight Mar-30  
 Simons, K.—Diamond Shamrock Corporation, Industrial Chemicals Division Mar-26  
 Styne, A. F.—Concepts in Architectural Engineering—A review Mar-52

## V

- Verderber, R.—Field study on occupancy scheduling as a lighting management strategy May-34

## W

- Watson, L.—Lighting educators Aug-27  
 Wheel, L.—Lighting on Art deco masterpiece Sept-16  
 Williams, T. L.—A quality education Jan-24  
 Windheim, L. S.—Going beyond the perimeter with daylight Mar-30  
 Wohlwerth, W.—Lighting the first ladies Dec-10

## Z

- Zackrisson, H. B.—Trends in the lighting industry Nov-42  
 Zekowski, G.—The undeification of calculations Feb-27

## Society News Indexes

### A

- Annual Conference preview April-40  
 Annual Conference registration form April-38  
 May-22, June-60, July-56

### C

- Committee listing 1983-84 Jan-52  
 Committee listing 1984-85 Sept-29  
 Committee membership application Jan-51

### I

- IES membership application May-63, June-32  
 IES Regional Conference listing Feb-6, March-63, April-61, May-10  
 IES Sustaining Members Dec-40  
 IIDA entry form Jan-30  
 Aug-58  
 Introducing the candidates Feb-58

### P

- Progress Report deadline Mar-58  
 Progress Report submittal form April-57  
 Dec-29

## Department News indexes

### A

- AAES study, Bachelor's degrees in engineering up, according to May-59  
 ABET's update on quality of engineering education Mar-59  
 AIA plans 'Building Redesign' conference May-58  
 Airport Towers Win Edison Conservation Award Jan-6  
 Ambassador of the year named in Fort Worth, TX, Action July-52  
 Announcing the 1985 AIA exhibit of new products and technology Sept-55  
 Annual Halo/SPI 1983 National Lighting Design awards, Seventh July-52  
 ANSI reelects officers April-45  
 Applications sought for research associateships Dec-56  
 Architects/engineers selling with video Aug-63  
 Arizona Electric League names executive director May-59  
 Award, Airport Towers Win Edison Conservation Jan-6  
 Award, Computer researcher receives Pender Mar-43  
 Award, National for Energy Innovation Dec-56  
 Awarded by NAED, Honorary life memberships Oct-54

- Awarded oscar, OSRAM July-50  
 Awards "designer of the year" and other honors, Interiors April-6  
 Awards news Mar-55  
 Awards program accepting submittals, 1984 NLB July-54  
 Awards, Seventh annual Halo/SPI 1983 National Lighting Design July-52

### B

- Bachelor's degrees in engineering up, according to AAES study May-59  
 Bodine electric established endowed professorship at IIT July-51  
 Books & pamphlets Jan-3, Mar-11, April-11, May-56, June-63, July-43, Sept-56, Oct-13, Nov-54

### C

- Call for papers Oct-10, Nov-60, Dec-34  
 Carl L. Welti Oakland Division area development consultant for Detroit Edison retires Oct-58  
 Children's museum exhibit Dec-54  
 Company supplies missing ingredient in engineering education Sept-54  
 Computer and electrical engineering department formed at Lehigh U Feb-57  
 Computer researcher receives Pender Award Mar-43  
 Conference, AIA plans 'Building Redesign' May-58  
 Conference and Expo, Lighting World III begins promotions for April '85 illumination July-55  
 Conference highlights November exhibition, ICWA technical Sept-54  
 Conference in New York City, NYSEDA holds energy performance contracting Sept-60  
 Conference, ISCC holds automotive color May-58  
 Conference set for Southern California, Tri-Regional IES Jan-47  
 Conference to highlight energy economics Feb-9  
 Conservation Award, Airport Towers Win Edison Jan-6  
 Construction of a lighting concept center Nov-58  
 Corrections for Annual Report Sept-2  
 Council, Loss control management program developed by National Safety Sept-54  
 Courses & seminars Feb-53, Mar-54, Aug-49

### D

- Daylight to save electricity, Edison promotes use of July-55  
 Devices to control seven million electrical systems by 1992, Load management Sept-54  
 Design awards, Seventh annual Halo/SPI 1983 National Lighting July-52  
 "Designer of the year" and other honors, Interior awards April-6  
 Design, NY state grants Parsons MFA in lighting July-51  
 Designs on lighting for the disabled at Tech/TrimbleHouse July-52  
 Directory questionnaire Oct-4, Nov-4  
 DSAs and Fellow Aug-45

### E

- Economics, Conference to highlight energy Feb-9  
 Edison Conservation Award, Airport Towers Win Jan-6  
 Edison promotes use of daylight to save electricity July-55  
 Editor's notes Mar-14  
 Education, ABET's update on quality of engineering Mar-59  
 Education, Company supplies missing ingredient in engineering Sept-54

Education Fund extends to Canada, Lighting Research and	Feb-11	Highlights November exhibition, ICWA technical conference	Sept-54	Lighting for the disabled at Tech/TrimbleHouse, Designs on	July-52
Education program for professionals, Halo launches national lighting	Jan-47	Honorary degree slated for ABET executive director	Sept-59	Lighting, New CIBS code for interior	July-52
Electrical engineering department formed at Lehigh U., Computer and	Feb-57	Honorary life memberships awarded by NAED	Oct-54	Lighting, overall US export expansion, Study sees solid growth for residential	Mar-15
Electrical engineering power studies, Public utility district joins with university to encourage	Mar-43	Honors, Interiors awards "designer of the year" and other	April-6	Lighting Research and Education Fund extends to Canada	Feb-11
Electrical systems by 1992, Load management devices to control seven million	Sept-54	<b>I</b>			Oct-12
Electric companies, Reddy Kilowatt celebrates 50 years of service to investor-owned	Oct-59	ICWA technical conference highlights November exhibition	Sept-54	Lighting users of battery leakage, Exide campaign warns MacBrite emergency	Sept-64
Electric established endowed professorship at IIT, Bodine	July-51	<b>I</b>			Sept-64
Electricity, Edison promotes use of daylight to save	July-55	ICWA technical conference highlights November exhibition	Sept-54	Lighting World III begins promotions for April '85 Illumination Conference and Expo	July-55
Electric League names executive director, Arizona	May-59	IEEE honors, Polytechnic faculty members receive	April-6	Lighting World update: expanded program, west coast show planned	Jan-47
Emergency lighting users of battery leakage, Exide campaign warns MacBrite	Sept-64	IES call for papers	Aug-56	Listing of energy offices	Feb-48
Energy economics, Conference to highlight	Feb-9	IES conference set for Southern California, Tri-Regional	Jan-47	Load management devices to control seven million electrical systems by 1992	Sept-54
Energy performance contracting conference in New York City, NYSEDA holds	Sept-60	IES Gold Medalist	Aug-43	Louisiana Journey landscape lights up New Orleans World's Fair	Sept-60
Engineering department formed at Lehigh U., Computer and electrical	Feb-57	IES Midwest RVP announced	April-63	LSI Representative honored	Nov-58
Engineering Education, ABET's update on quality of	Mar-59	IES tech papers available	Oct-48, Nov-38	<b>M</b>	
Engineering education, Company supplies missing ingredient in	Sept-54	IIDA entry forms	Jan-45,	Members receive IEEE honors, Polytechnic faculty	April-6
Engineering power studies, Public utility district joins with university to encourage electrical	Mar-43	Industry news	Jan-45,	Metal halide floodlights, Greyhounds race under new	Oct-12
Engineering society, NSPE marks fifty years service as	May-58	Feb-4, April-51, May-51, June-8, July-46, Aug-50, Dec-38	July-52	Midwest RVP announced, IES	April-63
Engineering up, according to AAES study, Bachelor's degrees in	May-59	Interior lighting, New CIBS code for	July-52	Murdoch, FIES named New Hampshire "engineer of the year," Joseph	May-61
"Engineer of the year," Joseph Murdoch, FIES named New Hampshire	May-61	Interiors awards "designer of the year" and other honors	April-6	Museum of Art, Historic landmark reopens as Western	April-8
Engineering selling with Video, Architects	Aug-63	ISCC holds automotive color conference	May-58	<b>N</b>	
Epcot Center, Lasers at	Sept-60	<b>J</b>			May-58
EPRI to sponsor two lighting seminars for utilities, other interested parties	April-63	Juwel elected president	Aug-42	National Lighting Competition, Winners named in Halo/SPI	Nov-58
Errata and emendations	April-5	Joint corporate and academic research program at Rensselaer: a case history	June-58	National Lighting Design awards, Seventh annual Halo/SPI 1983	July-52
Exhibition, ICWA technical conference highlights November	Sept-54	Joseph Murdoch, FIES named New Hampshire "engineer of the year"	May-61	National lighting education program for professionals, Halo launches	Jan-47
Exhibit of new products and technology, Announcing the 1985 AIA	Sept-55	<b>K</b>			Feb-57
Exhibitors, Hannover Fair '84 the best show ever for North American	Oct-55	Keene Corp. competition selects RISD winners	Sept 60	NBS sign cooperative agreement, NIBS	Jan-27,
Exide campaign warns MacBrite emergency lighting users of battery leakage	Sept-64	Kilowatt celebrates 50 years of service to investor-owned electric companies, Reddy	Oct-59	New products	Feb-52, Mar-42, April-14, June-52, July-59, Sept-44, Oct-14, Nov-56, Dec-52
Experimentation, New lighting laboratory promotes understanding through	Sept-10	<b>L</b>			Feb-57
Expo, Lighting World III begins promotions for April '85 Illumination Conference and	July-55	Lab, New VDT/lighting	Sept-63	NSPE marks fifty years service as engineering society	May-58
Exposition in San Francisco, October dates sets for Pan Pacific	June-55	Laboratory promotes understanding through experimentation, New lighting	Sept-10	NYSEDA holds energy performance contracting conference in New York City	Sept-60
<b>F</b>		Landmark reopens as Western Museum of Art, Historic	April-8	<b>O</b>	
FIES named New Hampshire "engineer of the year," Joseph Murdoch,	May-61	Lasers at Epcot Center	Sept-60	Obituaries	Jan-9,
Film makers, New light for	July-54	Laser media, Technological Advances at	Sept-60	May-13, July-49, Dec-4, 59	April-45
Forum explores quality of urban living	Feb-11	LD+A ad offices	Jan-64,	Officers, ANSI reelects	July-50
Fund extends to Canada, Lighting Research and Education	Feb-11	Feb-64, Mar-64, April-64, May-64, June-64, July-64, Aug-64, Sept-64	Letters	<b>P</b>	
<b>G</b>		Clark, G. W.	Jan-9	Parsons Master of Fine Arts Program, contribution to	Dec-54
Greyhounds race under new metal halide floodlights	Oct-12	Cross, J. P.	Feb-4	Pender Award, Computer Researcher receives	Mar-43
<b>H</b>		Erhardt, L.	July-2	People	Jan-2,
Halo launches national lighting education program for professionals	Jan-47	Goldin, S.	June-4	Feb-2, Mar-2, April-2, May-2, June-2, Aug-7, Sept-2, Oct-2, Nov-2, Dec-2	Dec-54
Hannover Fair '84 the best show ever for North American exhibitors	Oct-55	Hemphill, J. W.	May-6	Philips, olympic metal for	Sept-55
<b>I</b>		Kopec, J. W.	May-6	Polytechnic faculty members receive IEEE honors	April-6
<b>I</b>		Lieskovsky, V.	May-4	Products and technology, Announcing the 1985 AIA exhibit of new	Sept-55
<b>I</b>		Moxey, R. T.	May-4	Program accepting submittals, 1984 NLB awards	July-54
<b>I</b>		Peterson, W. T.	May-4	Program developed by National Safety Council, Loss control management	Sept-54
<b>I</b>		Zekow, G.	Aug-2	Program for professionals, Halo launches national lighting education	Jan-47
<b>I</b>		Zussman, S.	July-2	<b>P</b>	
<b>I</b>		Light for film makers, New	July-54	Parsons Master of Fine Arts Program, contribution to	Dec-54
<b>I</b>		Lighting Competition, Winners named in Halo/SPI National	Nov-58	Pender Award, Computer Researcher receives	Mar-43
<b>I</b>		Lighting concept center, construction of a	Nov-58	People	Jan-2,
<b>I</b>		Lighting Design awards, Seventh annual Halo/SPI 1983 National	July-52	Feb-2, Mar-2, April-2, May-2, June-2, Aug-7, Sept-2, Oct-2, Nov-2, Dec-2	Dec-54
<b>I</b>		Lighting design, NY State grants Parsons MFA in	July-51	Philips, olympic metal for	Sept-55
<b>I</b>		<b>M</b>			July-54
<b>I</b>		<b>M</b>			Sept-54
<b>I</b>		<b>M</b>			Nov-58
<b>I</b>		<b>M</b>			April-6
<b>I</b>		<b>M</b>			Jan-47
<b>I</b>		<b>M</b>			Feb-48
<b>I</b>		<b>M</b>			Sept-54
<b>I</b>		<b>M</b>			Sept-60
<b>I</b>		<b>M</b>			Nov-58
<b>I</b>		<b>M</b>			April-8
<b>I</b>		<b>M</b>			May-58
<b>I</b>		<b>M</b>			Nov-58
<b>I</b>		<b>M</b>			July-52
<b>I</b>		<b>M</b>			Jan-47
<b>I</b>		<b>M</b>			Feb-57
<b>I</b>		<b>M</b>			Jan-27,
<b>I</b>		<b>M</b>			Feb-52, Mar-42, April-14, June-52, July-59, Sept-44, Oct-14, Nov-56, Dec-52
<b>I</b>		<b>M</b>			Feb-57
<b>I</b>		<b>M</b>			May-58
<b>I</b>		<b>M</b>			Sept-60
<b>I</b>		<b>M</b>			Jan-9,
<b>I</b>		<b>M</b>			April-45
<b>I</b>		<b>M</b>			July-50
<b>I</b>		<b>M</b>			Dec-54
<b>I</b>		<b>M</b>			Mar-43
<b>I</b>		<b>M</b>			Jan-2,
<b>I</b>		<b>M</b>			Dec-54
<b>I</b>		<b>M</b>			Sept-55
<b>I</b>		<b>M</b>			July-54
<b>I</b>		<b>M</b>			Sept-54
<b>I</b>		<b>M</b>			Jan-47



Projects in Progress ..... Sept-48,  
Oct-6  
Professional of the month  
Liepold, R. E. .... Aug-10  
Smith, L. .... Sept-51  
Public utility district joins with university to  
encourage electrical engineering power  
studies ..... Mar-43

## Q

Quality of engineering education, ABET's  
update on ..... Mar-59  
Quality of urban living, Forum explores ..... Feb-11

## R

Reddy Kilowatt celebrates 50 years of  
service to investor-owned electric  
companies ..... Oct-59  
Reflections from the past ..... Aug-4  
Regional IES conference set for Southern  
California, Tri ..... Jan-47  
Research and Education Fund extends to  
Canada, Lighting ..... Feb-11

Researcher receives Pender Award,  
Computer ..... Mar-43  
Residential lighting; overall US export  
expansion, Study sees solid growth for ..... Mar-15  
Research program at Rensselaer: a case  
history, Joint corporate and academic ..... June-58  
Richard Kelly Memorial Scholarship open  
to applicants ..... Sept-60  
Rising interest rates threaten recovery,  
home builders warn ..... Aug-63  
Robots: technicians in high places ..... June-58  
RVP announced, IES Midwest ..... April-63

## S

Safety Council, Loss control management  
program developed by National ..... Sept-54  
Scheduled events ..... Jan-62,  
Feb-3, Mar-56, May-55, June-57, July-  
63, Aug-54, Sept-58, Dec-57  
Scholarship open to applicants, Richard  
Kelly Memorial ..... Sept-60  
Second stage settles in McGinn/Cazale  
Theatre ..... Oct-58

Seminars for utilities, other interested  
parties, EPRI to sponsor two lighting ..... April-63  
Seminars, NAED announces 1984 ..... May-58  
Study of fee levels for design firms ..... Dec-56  
Study sees solid growth for residential  
lighting; overall U.S. export expansion ..... Mar-15  
Survey finds engineering faculty shortage  
worse in 1983 ..... Dec-56  
Symposium on lighting control ..... Nov-51  
Systems '84, Record attendance of A/E ..... Oct-57

## T

Tabor Center to contain Denver's first in-  
telligent buildings ..... June-12  
Tau Beta Pi laureates announced ..... Dec-56  
Technical conference highlights Novem-  
ber exhibition, ICWA ..... Sept-54  
Technicians in high places, Robots ..... June-58  
Technological Advances at Lasermidia ..... Sept-60  
Testing VDTs for comfort ..... Sept-63  
Tri-regional IES conference set for  
Southern California ..... Jan-47

## U

Utilities, other interested parties, EPRI to  
sponsor two lighting seminars for ..... April-63  
Utility district joins with university to en-  
courage electrical engineering power  
studies, Public ..... Mar-43

## V

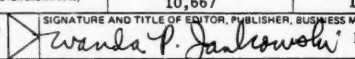
Views/visual environment ..... Jan-8,  
Feb-8, Mar-6, April-4, May-8, June-6,  
July-4, Aug-8, Sept-6, Nov-50, Nov-52,  
Dec-6

## W

Wetli Oakland Division area development  
consultant for Detroit Edison Retires,  
Carl L. .... Oct-58

## Z

Ziggurat competion announced ..... Dec-54

U.S. Postal Service STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION <small>Required by 39 U.S.C. 3685</small>		
1A. TITLE OF PUBLICATION <b>LIGHTING DESIGN + APPLICATION</b>	1B. PUBLICATION NO. <b>2 5 9 0 4 0</b>	2. DATE OF FILING <b>11/20/84</b>
3. FREQUENCY OF ISSUE <b>Monthly</b>	3A. NO. OF ISSUES PUBLISHED ANNUALLY <b>12</b>	3B. ANNUAL SUBSCRIPTION PRICE <b>\$35.00</b>
4. COMPLETE MAILING ADDRESS OF KNOWN OFFICE OF PUBLICATION (Street, City, Country, State and ZIP+4 Code) (Not printers) <b>IES, 345 East 47 Street, New York, N.Y. 10017</b>		
5. COMPLETE MAILING ADDRESS OF THE HEADQUARTERS OF GENERAL BUSINESS OFFICES OF THE PUBLISHER (Not printers) <b>IES, 345 East 47 Street, New York, N.Y. 10017</b>		
6. FULL NAMES AND COMPLETE MAILING ADDRESS OF PUBLISHER, EDITOR, AND MANAGING EDITOR (This item MUST NOT be blank) PUBLISHER (Name and Complete Mailing Address) <b>Illuminating Engineering Society of North America, 345 East 47 Street, New York, N.Y. 10017</b> EDITOR (Name and Complete Mailing Address) <b>Wanda P. Jankowski, IES, 345 East 47 Street, New York, N.Y. 10017</b> MANAGING EDITOR (Name and Complete Mailing Address) <b>(same as Editor)</b>		
7. OWNER (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given. If the publication is published by a nonprofit organization, its name and address must be stated.) (Item must be completed.) FULL NAME <b>Illuminating Engineering Society of North America</b> COMPLETE MAILING ADDRESS <b>345 East 47 Street, New York, N.Y. 10017</b>		
8. KNOWN BONDHOLDERS, MORTGAGEES, AND OTHER SECURITY HOLDERS OWNING OR HOLDING 1 PERCENT OR MORE OF TOTAL AMOUNT OF BONDS, MORTGAGES OR OTHER SECURITIES (If there are none, so state) FULL NAME <b>NONE</b> COMPLETE MAILING ADDRESS		
9. FOR COMPLETION BY NONPROFIT ORGANIZATIONS AUTHORIZED TO MAIL AT SPECIAL RATES (Section 423.12 DMM only) The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes (Check one) (1) <input checked="" type="checkbox"/> HAS NOT CHANGED DURING PRECEDING 12 MONTHS (2) <input type="checkbox"/> HAS CHANGED DURING PRECEDING 12 MONTHS (If changed, publisher must submit explanation of change with this statement.)		
10. EXTENT AND NATURE OF CIRCULATION (See instructions on reverse side)	AVERAGE NO. COPIES EACH ISSUE DURING PRECEDING 12 MONTHS	ACTUAL NO. COPIES OF SINGLE ISSUE PUBLISHED NEAREST TO FILING DATE
A. TOTAL NO. COPIES (Net Press Run)	<b>10,667</b>	<b>10,000</b>
B. PAID AND/OR REQUESTED CIRCULATION 1. Sales through dealers and carriers, street vendors and counter sales	<b>NONE</b>	<b>NONE</b>
2. Mail Subscription (Paid and/or requested)	<b>9,678</b>	<b>9,078</b>
C. TOTAL PAID AND/OR REQUESTED CIRCULATION (Sum of 10B1 and 10B2)	<b>9,678</b>	<b>9,078</b>
D. FREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS SAMPLES, COMPLIMENTARY, AND OTHER FREE COPIES	<b>363</b>	<b>274</b>
E. TOTAL DISTRIBUTION (Sum of C and D)	<b>10,041</b>	<b>9,352</b>
F. COPIES NOT DISTRIBUTED 1. Office use, left over, unaccounted, spoiled after printing	<b>626</b>	<b>648</b>
2. Return from News Agents	<b>NONE</b>	<b>NONE</b>
G. TOTAL (Sum of E, F1 and 2—should equal net press run shown in A)	<b>10,667</b>	<b>10,000</b>
11. I certify that the statements made by me above are correct and complete  Editor		

PS Form 3526, July 1984

(See instruction on reverse)

